

EVAPORATIVE FUEL CONTROL SYSTEM OF INTERNAL COMBUSTION ENGINE

Abstract

This invention provides an evaporative fuel control system for an internal combustion engine which system comprises an intake passage and a canister in communication with a fuel tank. The canister includes more than one chamber with activated carbon provided to absorb evaporative fuel. In this system, the canister is connected to the atmosphere via an open passage which is controlled by the atmosphere open/close valve situated in the open passage. The canister is also connected to the intake passage via a purge passage. The purge passage is controlled via a purge valve situated in the purge passage. The evaporative fuel control system comprises further a purge concentration detector which detects the concentration of a purge taken into the engine and a controller which diagnoses leakage after a predetermined amount of time set according to the concentration of the purge detected by the purge concentration detector.